

Louisiana Statewide Transportation Plan Update



Louisiana Department of
Transportation and Development

with assistance from the

Wilbur Smith Associates Team

August 1, 2000



Key Personnel

Wilbur Smith Associates

- ☞ **Dale Janik, P.E.** - *Project Manager*
- ☞ **Butch Babineaux, P.E.** - *Deputy Project Manager*
- ☞ **Tom Cooney** - *Modeling*
- ☞ **Pam Keidel** - *Aviation*
- ☞ **Richard Taylor** - *Rail*
- ☞ **Arno Hart** - *Economics and Freight*



Key Personnel (Cont.)

University of New Orleans College of Urban & Public Affairs

- ☞ **Jim Amdal** - *Outreach & Surface Passenger Transport*
- ☞ **Tim Joder** - *Outreach*

Gregory C. Rigamer & Associates

- ☞ **Phil Brodt** - *Aviation*

HNTB

- ☞ **John Hoffman, P.E.** - *Highways*
- ☞ **Bob Schmidt, P.E.** - *Highways*

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Key Personnel (Cont.)

Alliance Transportation Group

- ☞ Tom Williams - *TransCAD Modeling*
- ☞ Mike Heath - *TransCAD Modeling*

LSU National Ports & Waterways Institute

- ☞ Anatoly Hochstein, Ph.D. - *Water Transport*
- ☞ Jay Jayawardana, Ph.D. - *Water Transport*

Demopulos & Ferguson

- ☞ Chris Demopulos - *Highways*



Work Plan



Statewide Transportation Plan Update



Project Emphasis

Update 1996 Statewide Intermodal Transportation Plan

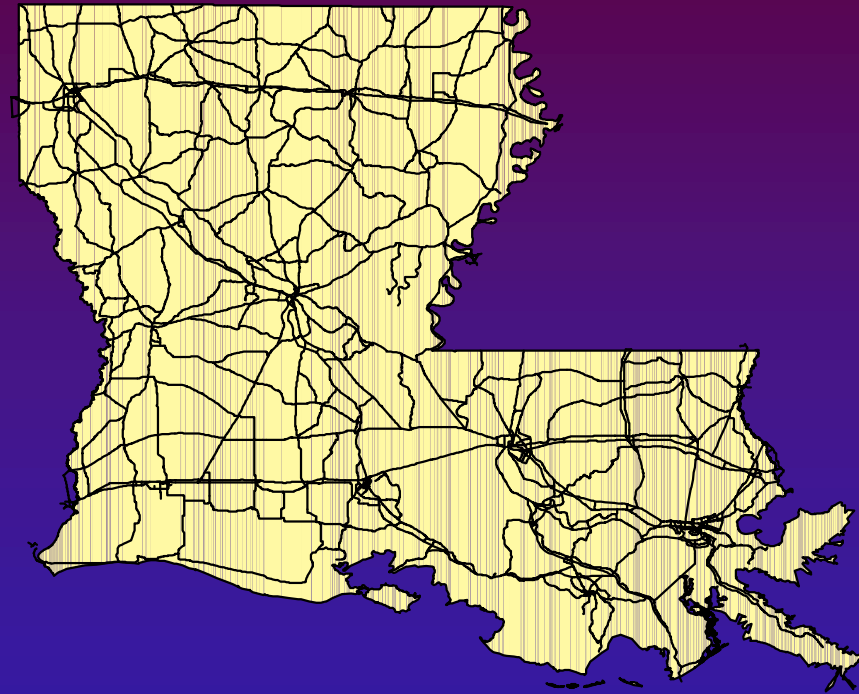
- **All Transportation Modes**
- **2030 Horizon Year**
- **Incorporate Recent Related Studies**



Project Emphasis

Develop Statewide Travel Demand Model

- **TransCAD**
- **Passenger & Freight Demands**
- **Capacity Deficiencies & Needs**
- **Partial Network Now, Expandable**



Project Emphasis

Louisiana Airport System Plan Update

- **Performance-based**
- **Forecast demand & needs**

Statewide Rail Plan

- **Line analysis**
- **Prioritized program of projects**

Recognize the Importance of Freight



Work Plan

Review Current Plan

Conduct System Analysis

Develop Statewide Model

Public Outreach/Coordination

Airport & Rail Plans



Statewide Transportation Plan Update



Review SITP/System Analysis

Review Current SITP

- Goals and Objectives
- Forecasts for Each Mode
- Financial Resources
- Status of Implementation



Analysis of Existing System

- All Modes
- Intermodal



Finance

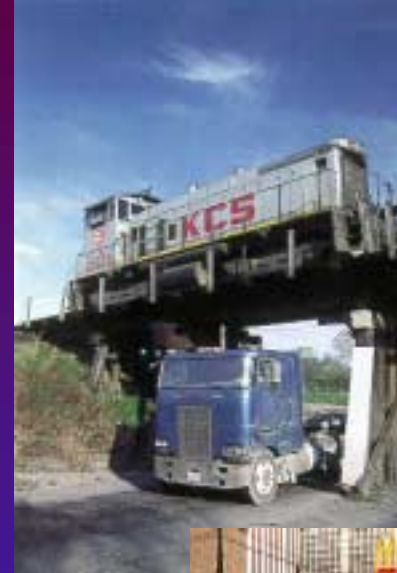
- Adequacy of Existing Revenues
- Alternative Financing Packages



Passenger & Freight Planning Activities

Utilize/Update Previous Work in SITP

- Forecast Long-term Demand
- Estimate Existing Capacities
- Identify Constraints
- Incorporate Stakeholder Input
- Prioritize Needs Under Budget Constraints



Freight Planning Activities

Incorporate New Freight Data

- Oil and Gas and Off-Shore Freight (MMS Study)
- National Fast Ship Service (US DOT Study)
- Port Priority Program Data
- Latin America Trade & Transportation Study



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Statewide Travel Demand Forecasting Model Development



Statewide Transportation Plan Update



Louisiana Statewide Model Data

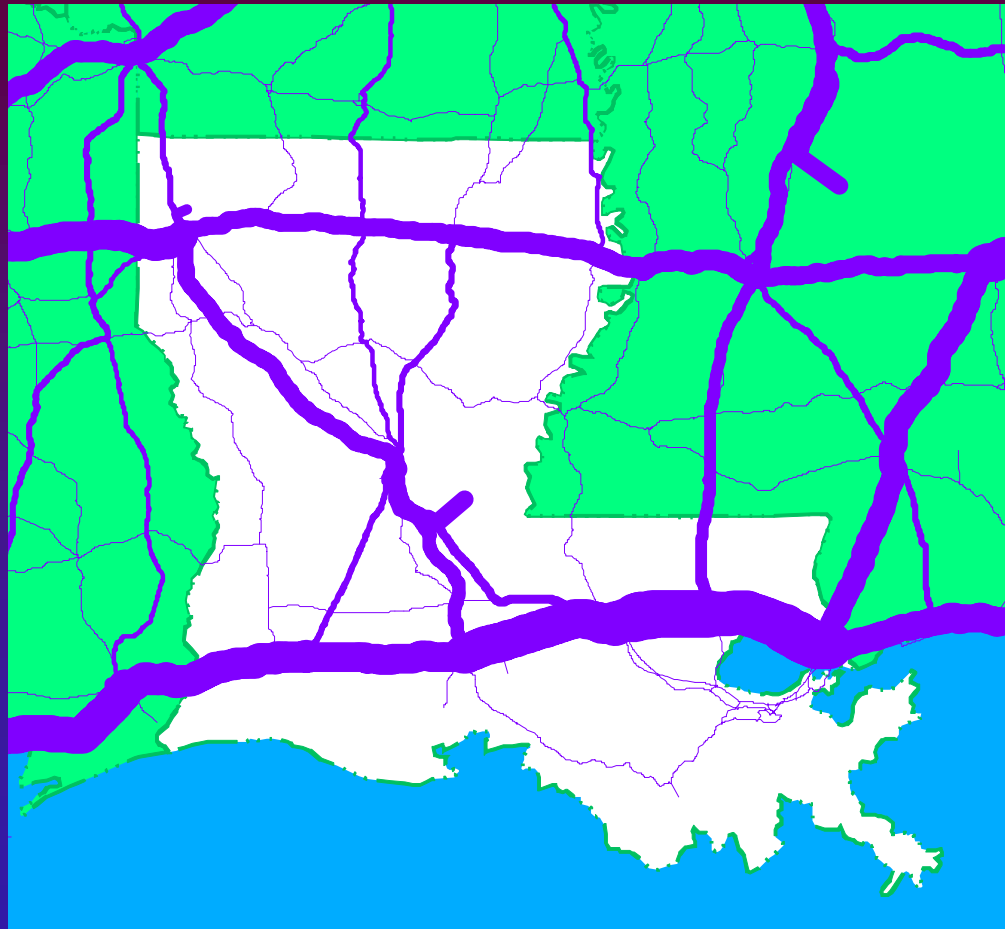
National Highway Planning Network
1993 & 1997 Commodity Flow Survey
1995 American Travel Survey (ATS)
1983, 1990, and 1995 Nationwide Personal
Transportation Survey (NPTS)
Census Block Group Forecast – Applied
Geographic Solutions
Urban Models



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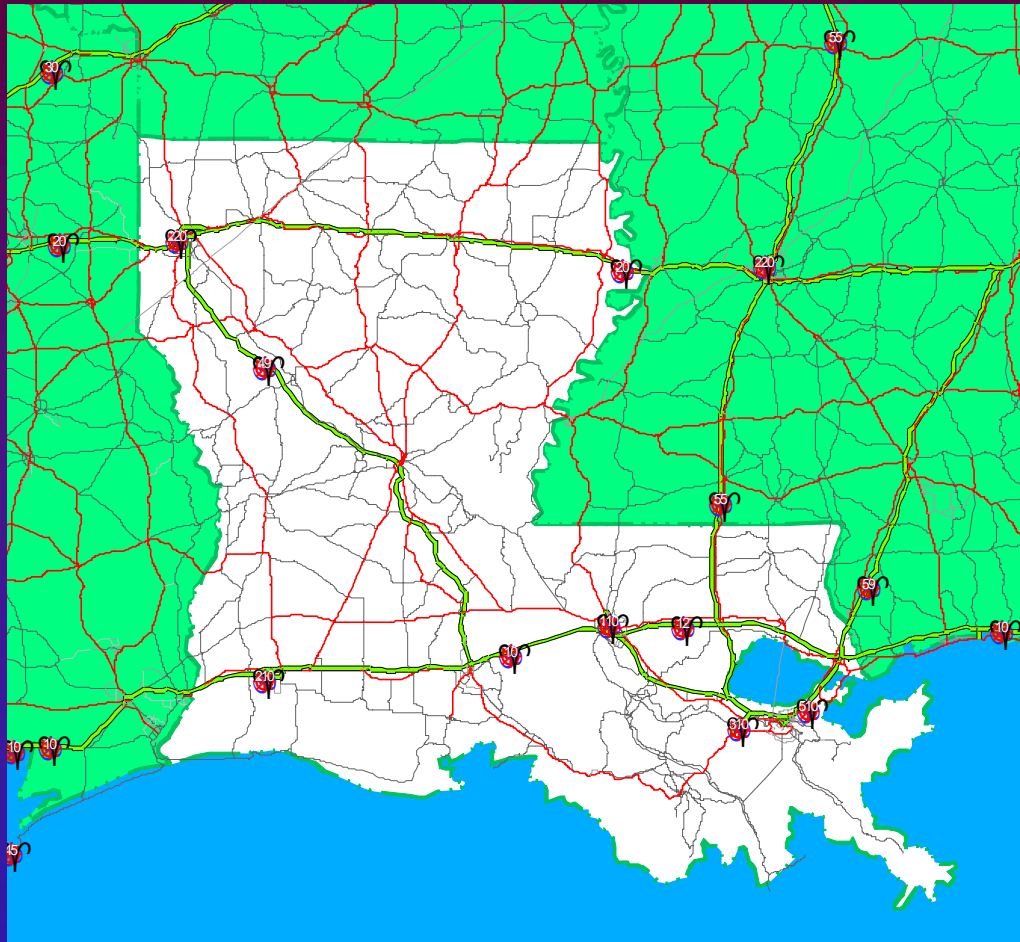
External Flows: MSA-MSA



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National Highway Planning Network



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Custom TransCAD Tools

Visual BASIC

American Travel Survey Processing System

Records read: 556026

Texas Trips: 10257

	Vehicle Trips	Air Trips	Other Trips
Trips	7929	2181	147
Average Length	249.785	1143.72	506.659

GO! Close

TransCAD GISDK

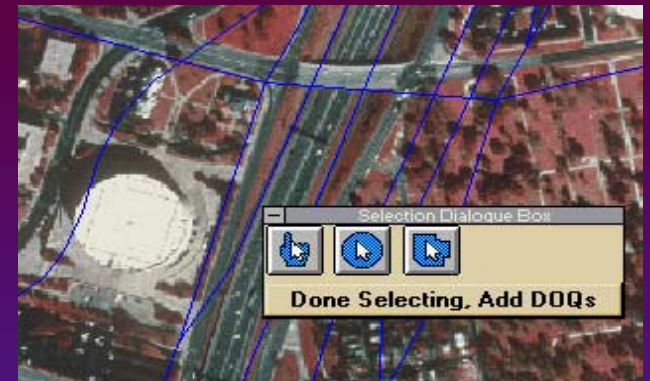


Special Tools

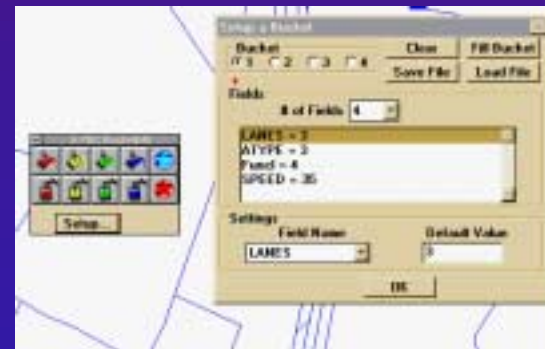
Digital Aerial Photo Indexing System



Add-in Models



Network Editing "Quick Tools"



Louisiana Airport System Plan Update & State Rail Plan



Statewide Transportation Plan Update



Louisiana Airport System Plan Update

Establish Performance Criteria & Benchmarks

Conduct Airport Inventory

Forecast Aviation Demand

Perform Deficiency Analysis

Identify Options

Proposed Regional Airport -- Review



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Louisiana State Rail Plan

State Rail Objectives

Identify State Rail System

Conduct Line Analysis

Prioritized Program of Projects

Identify Potential Federal Assistance



Public Outreach & Coordination



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Public Outreach & Coordination

Statewide Transportation Conferences

Advisory Council Briefings

Statewide Transportation/Economic
Development Policy Commission

Public Outreach/Involvement

Brochure & Presentation Delivery



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Stakeholder Outreach

GOAL: *Engage both users and providers of State's transportation services and systems in developing a Statewide Transportation Plan.*



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Stakeholder Outreach Activities

Review and Reactivate SITP Advisory Councils
**Support LDOTD and Statewide Transportation/
Economic Development Policy Commission**
**Develop Communications Materials (newsletters,
brochures, presentation materials, web page)**



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Tasks

